

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/11/2020 03/11/2020	Luz Dial

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0150_01_s_2013_4				
Comment Code					
Inspector Comment					
This LMA has the updated O&M manuals for their district.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0150_01_s_2013_5				
Comment Code					
Inspector Comment					
This LMA has adequate amount of flood fighting materials in a centralized location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0150_01_s_2013_6				
Comment Code					
Inspector Comment					
The crew of this LMA had flood fighting training from DWR last October 2019.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	03/11/2020 03/11/2020	Luz Dial

LM Start	0.04	Rating **	M	Issue No.	1
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332478 °	38.332478 °
				-121.582798 °	-121.582798 °
DWR ID	DWR_RD0150_01_s_2020_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_15_1_20200313_00003.jpg



View of wild growth on the landside slope. Spring 2020

LM Start	0.09	Rating **	M	Issue No.	7
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.332242 °	38.330140 °
				-121.581922 °	-121.579098 °
DWR ID	DWR_RD0150_01_f_2019_7				
Comment Code					
MA : Material					
Inspector Comment					
There is material stored on the crown and shoulder.					

Photo 1 of 1 : SP_2020_RD0150_15_7_20200302_00002.jpg



View of fill material stored on the crown and shoulder. Fall 2019

LM Start	0.35	Rating **	M	Issue No.	2
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.329552 °	38.329552 °
				-121.578522 °	-121.578522 °
DWR ID	DWR_RD0150_01_f_2019_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Backfill rodent holes with recent activity.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sutter Slough	Left	0.52	03/11/2020 03/11/2020	Luz Dial

LM Start	0.51	Rating **	M	Issue No.	3
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.328197 °	38.328197 °	
			-121.576337 °	-121.576337 °	
DWR ID	DWR_RD0150_01_s_2020_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	0.11	Rating **	A/W	Issue No.	46
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.329369 °	38.329767 °
				-121.574936 °	-121.574589 °
DWR ID	LMA-112				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Riprap on the upper slope of LM 0.14 near the private dock appears to be intact. The 2017 flood damage consists of a waterside erosion approximately 185 feet long on the west (right) bank of the Sacramento River. The crown is a paved road. Scarps are up to 3 ft deep but are not fully vertical. Monitor this stie, because the erosion is not very deep into prism. Site ID No:286 Site Designation:LMA-112					

LM Start	0.11	Rating **	A/W	Issue No.	46 (cont)
LM End	0.14	Issue Type +	Ma	Location *	WS

Photo 1 of 4 : SP_2020_RD0150_16_46_20200403_00016.jpg



View of riprap placed near the dock at LM 0.14. Spring 2020

Photo 2 of 4 : LEVAL_SP_2020_286_1942.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	0.11	Rating **	A/W	Issue No.	46 (cont)
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.329369 °	38.329767 °
				-121.574936 °	-121.574589 °
DWR ID	LMA-112				

Photo 3 of 4 : LEVAL_SP_2020_286_2138.jpg



LM Start	0.11	Rating **	A/W	Issue No.	46 (cont)
LM End	0.14	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : LEVAL_SP_2020_286_2140.jpg



LM Start	0.29	Rating **	N	Issue No.	91
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.331607 °	38.331607 °
				-121.573103 °	-121.573103 °
DWR ID	DWR_RD0150_02_s_2020_91				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	0.36	Rating **	M	Issue No.	103
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.332452 °	38.332452 °
				-121.572378 °	-121.572378 °
DWR ID	DWR_RD0150_02_s_2018_103				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.38	Rating **	M	Issue No.	6
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.332598 °	38.332598 °
				-121.572179 °	-121.572179 °
DWR ID	DWR_RD0150_02_s_2012_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_16_6_20200403_00003.jpg



View of slope instability around stairway. Fall 2018

LM Start	0.55	Rating **	N	Issue No.	66
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334508 °	38.334508 °
				-121.570175 °	-121.570175 °
DWR ID	DWR_RD0150_02_f_2016_66				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	0.59	Rating **	M	Issue No.	45
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334898 °	38.334898 °
				-121.569632 °	-121.569632 °
DWR ID	DWR_RD0150_02_f_2018_45				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_16_45_20200403_00015.jpg



View of slope damage likely from vehicle traffic. Fall 2018

LM Start	0.60	Rating **	M	Issue No.	114
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.334998 °	38.334998 °
				-121.569468 °	-121.569468 °
DWR ID	DWR_RD0150_02_f _ 2019_114				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree from the levee slope.					

Photo 1 of 1 : SP_2020_RD0150_16_114_20200403_00059.jpg



View looking downstream at fallen tree on levee slope. Spring 2019

LM Start	0.63	Rating **	M	Issue No.	115
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.335347 °	38.335347 °
				-121.569152 °	-121.569152 °
DWR ID	DWR_RD0150_02_s_2019_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree from the levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	0.65	Rating **	M	Issue No.	35
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.335490 °	38.335490 °
				-121.568917 °	-121.568917 °
DWR ID	DWR_RD0150_02_f_2019_35				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_16_35_20200403_00011.jpg



View of tire on waterside slope. Fall 2019

LM Start	0.71	Rating **	U	Issue No.	59
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.336291 °	38.336291 °
				-121.568260 °	-121.568260 °
DWR ID	DWR_RD0150_02_s_2016_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove trees and repair slope damage.					

Photo 1 of 1 : SP_2020_RD0150_16_59_20200403_00039.jpg



View of the tree trunk on the landside of the levee. Fall 2017

LM Start	0.79	Rating **	M	Issue No.	73
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.337307 °	38.337307 °
				-121.567698 °	-121.567698 °
DWR ID	DWR_RD0150_02_f _ 2017_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The dead tree needs to be removed from the levee slope.					

Photo 1 of 1 : SP_2020_RD0150_16_73_20200403_00045.jpg



View of fallen tree on landside levee slope. Fall 2018

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	1.37	Rating **	M	Issue No.	90
LM End	1.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343418 °	38.343418 °
				-121.560437 °	-121.560437 °
DWR ID	DWR_RD0150_02_s_2020_90				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.10	Rating **	M	Issue No.	63
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.347002 °	38.347002 °
				-121.547803 °	-121.547803 °
DWR ID	DWR_RD0150_02_f _ 2016_63				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_16_63_20200403_00041.jpg



Remove the log from the landside slope of the levee.

LM Start	2.38	Rating **	M	Issue No.	36
LM End	2.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347477 °	38.347477 °
				-121.542680 °	-121.542680 °
DWR ID	DWR_RD0150_02_f_2019_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove invasive Arundo growth.					

Photo 1 of 1 : SP_2020_RD0150_16_36_20200403_00012.jpg



View of Arundo growth. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	2.66	Rating **	M	Issue No.	89							
LM End	2.66	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.349170 °	38.349170 °								
			-121.538110 °	-121.538110 °								
DWR ID	DWR_RD0150_02_s _ 2020_89											
Comment Code												
TR : Tree or limb												
Inspector Comment												

No Photos

LM Start	2.75	Rating **	N	Issue No.	14							
LM End	2.75	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Trim / Thin Trees		38.350041 °	38.350041 °								
			-121.536853 °	-121.536853 °								
DWR ID	DWR_RD0150_02_s _ 2012_14											
Comment Code												
T5 : Tree stumps.												
Inspector Comment												

Photo 1 of 1 : SP_2020_RD0150_16_14_20200403_00006.jpg



View of a tree stump on the landward slope.

LM Start	3.17	Rating **	M	Issue No.	87							
LM End	3.17	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		38.354575 °	38.354575 °								
			-121.531858 °	-121.531858 °								
DWR ID	DWR_RD0150_02_s _ 2020_87											
Comment Code												
DE : Debris												
Inspector Comment												
Remove a sofa dumped onto the levee slope.												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	961
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.355321 °	38.355321 °
				-121.530902 °	-121.530902 °
DWR ID	DWR_RD0150_02_s_2012_961				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Depressions into the waterward slope can be seen at this site. Also note the damaged pump support, pump, and pipe just upstream of the site.					

Photo 1 of 2 : SP_2020_RD0150_16_961_20200403_00061.jpg



View of erosion on the waterside slope around the pump. Spring 2020

LM Start	3.24	Rating **	M	Issue No.	961 (cont)
LM End	3.24	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_RD0150_16_961_20200403_00062.jpg



View of erosion on the waterside slope around the pump. Spring 2020

LM Start	3.30	Rating **	M	Issue No.	17
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.355979 °	38.355979 °
				-121.530288 °	-121.530288 °
DWR ID	DWR_RD0150_02_s_2012_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry is partially blocking visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	3.42	Rating **	A/W	Issue No.	47
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.357183 °	38.357631 °
				-121.528547 °	-121.527981 °
DWR ID	LMA-113				

Comment Code

Inspector Comment

Planned For Repair.

The flood damage consists of a waterside erosion approximately 229 feet long on the west (right) bank of the Sacramento River.

Site ID No:287

Site Designation:LMA-113

The crown is a paved road. There are erosion scarps up to 10 ft deep and within 5 ft of the crown. Worse conditions are on the DS end. There is exposed filter fabric. This erosion is serious, because of depth of erosion into the levee, weak soil, and proximity to the crown which is a high traffic public road. The slope appears to be intact to at least 5-10' from the levee shoulder.

LM Start	3.42	Rating **	A/W	Issue No.	47 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : LEVAL_SP_2020_287_2143.jpg



Photo 2 of 3 : LEVAL_SP_2020_287_2146.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	3.42	Rating **	A/W	Issue No.	47 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.357183 °	38.357631 °
				-121.528547 °	-121.527981 °
DWR ID	LMA-113				

Photo 3 of 3 : LEVAL_SP_2020_287_2149.jpg



LM Start	3.44	Rating **	M	Issue No.	83
LM End	3.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.357537 °	38.357537 °
				-121.528395 °	-121.528395 °
DWR ID	DWR_RD0150_02_s_2020_83				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limb from the slope.					

No Photos

LM Start	3.68	Rating **	M	Issue No.	84
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.359815 °	38.359815 °
				-121.525242 °	-121.525242 °
DWR ID	DWR_RD0150_02_s_2019_84				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	4.18	Rating **	M	Issue No.	81
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.366222 °	38.366222 °
				-121.522423 °	-121.522423 °
DWR ID	DWR_RD0150_02_s_2020_81				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD0150_16_81_20200403_00050.jpg



View of erosion on the landside slope due to runoff. Spring 2020

LM Start	4.18	Rating **	M	Issue No.	81 (cont)
LM End	4.18	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2020_RD0150_16_81_20200403_00051.jpg



View of erosion on the landside slope due to runoff. Spring 2020

LM Start	4.27	Rating **	M	Issue No.	107
LM End	4.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.367507 °	38.367507 °
				-121.522493 °	-121.522493 °
DWR ID	DWR_RD0150_02_s_2018_107				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree on the waterside slope.					

Photo 1 of 1 : SP_2020_RD0150_16_107_20200403_00058.jpg



View of fallen tree on waterside looking northeast. Spring 2018

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	4.50	Rating **	U	Issue No.	38
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.370928 °	38.371909 °
				-121.523069 °	-121.523316 °
DWR ID	DWR_RD0150_02_s_2019_38				
Comment Code					
Inspector Comment					
2020 Spring DWR: Lower bank erosion is not visible from the crown.					
2017 Site ID: SAC 38.5 R					
Status: Critical					
2017 Field Notes: New erosion pocket. Vertical section along lower bank, and cracking. Upgraded to critical.					
Site History: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013 - Tree at upstream end has exposed roots. Some new erosion.					

Photo 1 of 1 : SP_2020_RD0150_16_38_20200403_00013.jpg



View looking downstream at 2017 USACE Erosion Survey site. Spring 2019

LM Start	4.62	Rating **	N	Issue No.	78
LM End	4.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.372527 °	38.372527 °
				-121.523860 °	-121.523860 °
DWR ID	DWR_RD0150_02_s_2020_78				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	4.69	Rating **	M	Issue No.	28
LM End	4.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373485 °	38.373485 °
				-121.523963 °	-121.523963 °
DWR ID	DWR_RD0150_02_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove Century plants from the levee slope.					

Photo 1 of 1 : SP_2020_RD0150_16_28_20200403_00009.jpg



View of century plants on waterward slope.

LM Start	4.83	Rating **	M	Issue No.	77
LM End	4.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375453 °	38.375453 °
				-121.525140 °	-121.525140 °
DWR ID	DWR_RD0150_02_s_2020_77				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove low-lying limbs of large tree.					

No Photos

LM Start	4.88	Rating **	M	Issue No.	76
LM End	4.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.376157 °	38.376157 °
				-121.525372 °	-121.525372 °
DWR ID	DWR_RD0150_02_s_2020_76				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	4.99	Rating **	M	Issue No.	72
LM End	4.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.377747 °	38.377747 °	
			-121.525572 °	-121.525572 °	
DWR ID	DWR_RD0150_02_s _ 2020_72				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	5.02	Rating **	M	Issue No.	67
LM End	5.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.378138 °	38.378138 °	
			-121.525548 °	-121.525548 °	
DWR ID	DWR_RD0150_02_s _ 2020_67				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	5.04	Rating **	A/W	Issue No.	50
LM End	5.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.378311 °	38.379458 °
				-121.525317 °	-121.524931 °
DWR ID	LMA-114				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

There is some bank caving near the trees. The flood damage consists of a waterside erosion approximately 447 feet long on the west (right) bank of the Sacramento River.

Site ID No:288

Site Designation:LMA-114

The crown is a paved road. Much of the site was not accessible because of thorny vegetation. Scarps were only about 1 ft deep where they were accessible and rated a lower priority. There is also an irrigation pipe within the site. A boat view would be helpful.

LM Start	5.04	Rating **	A/W	Issue No.	50 (cont)
LM End	5.12	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2020_RD0150_16_50_20200403_00025.jpg



View of bank caving on the lower slope. Spring 2020

Photo 2 of 3 : SP_2020_RD0150_16_50_20200403_00026.jpg



View of riprap on the lower slope. Spring 2020

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	5.04	Rating **	A/W	Issue No.	50 (cont)
LM End	5.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.378311 °	38.379458 °
				-121.525317 °	-121.524931 °
DWR ID	LMA-114				

Photo 3 of 3 : SP_2020_RD0150_16_50_20200403_00027.jpg



View of waterside slope with some revetment. Fall 2018

LM Start	5.26	Rating **	M	Issue No.	61
LM End	5.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381380 °	38.381380 °
				-121.523995 °	-121.523995 °
DWR ID	DWR_RD0150_02_s_2020_61				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	5.29	Rating **	M	Issue No.	109
LM End	5.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.381660 °	38.381660 °
				-121.523726 °	-121.523726 °
DWR ID	DWR_RD0150_02_s_2018_109				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	5.33	Rating **	M	Issue No.	54
LM End	5.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.382072 °	38.382072 °
				-121.523220 °	-121.523220 °
DWR ID	DWR_RD0150_02_f_2014_54				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_16_54_20200403_00035.jpg



View of slope instability on the waterside of the levee looking towards the toe. Fall 2014

LM Start	5.33	Rating **	M	Issue No.	71
LM End	5.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.382142 °	38.382142 °
				-121.523198 °	-121.523198 °
DWR ID	DWR_RD0150_02_s_2020_71				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree debris from the landside toe.					

No Photos

LM Start	5.90	Rating **	M	Issue No.	52
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.387915 °	38.387915 °
				-121.516002 °	-121.516002 °
DWR ID	DWR_RD0150_02_f_2016_52				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion due to runoff.					

Photo 1 of 2 : SP_2020_RD0150_16_52_20200403_00028.jpg



View of erosion due to runoff. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	5.90	Rating **	M	Issue No.	52 (cont)
LM End	5.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.387915 °	38.387915 °
				-121.516002 °	-121.516002 °
DWR ID	DWR_RD0150_02_f_2016_52				

Photo 2 of 2 : SP_2020_RD0150_16_52_20200403_00029.jpg



View of the erosion on the landside of the levee during spring 2017 inspection.

LM Start	6.21	Rating **	M	Issue No.	58
LM End	6.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.392252 °	38.392252 °
				-121.514720 °	-121.514720 °
DWR ID	DWR_RD0150_02_f_2019_58				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove Arundo growth on the waterside slope.					

No Photos

LM Start	6.39	Rating **	M	Issue No.	57
LM End	6.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.394947 °	38.394947 °
				-121.514572 °	-121.514572 °
DWR ID	DWR_RD0150_02_s_2020_57				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	6.72	Rating **	M	Issue No.	31
LM End	6.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399608 °	38.399767 °
				-121.514907 °	-121.514933 °
DWR ID	DWR_RD0150_02_f_2019_31				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	7.17	Rating **	A/W	Issue No.	53
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.405933 °	38.406722 °
				-121.517197 °	-121.517617 °
DWR ID	LMA-115				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
The flood damage consists of a waterside erosion approximately 311 feet long on the west (right) bank of the Sacramento River. Site ID No:289 Site Designation:LMA-115 The crown is a paved road. There are two scarps 6 ft deep and about 15 ft long each within the site and 6 ft from the crown. Otherwise, erosion was pretty small. There is riprap on 3/4 of the slope but not full coverage. Monitor this area, because deeper scarps only extended a short distance.					

Photo 1 of 5 : SP_2020_RD0150_16_53_20200403_00030.jpg



View looking upstream at erosion around tree. Spring 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.405933 °	38.406722 °
				-121.517197 °	-121.517617 °
DWR ID	LMA-115				

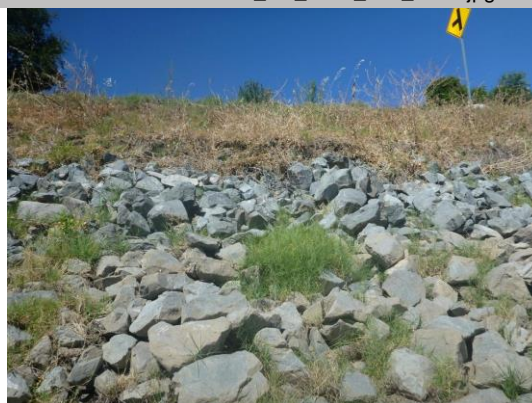
Photo 2 of 5 : SP_2020_RD0150_16_53_20200403_00031.jpg



View of waterside slope with some revetment. Fall 2018

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : LEVAL_SP_2020_289_2163.jpg



LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : LEVAL_SP_2020_289_2165.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	03/11/2020 03/12/2020	Luz Dial

LM Start	7.17	Rating **	A/W	Issue No.	53 (cont)
LM End	7.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.405933 °	38.406722 °
				-121.517197 °	-121.517617 °
DWR ID	LMA-115				

Photo 5 of 5 : LEVAL_SP_2020_289_2168.jpg



LM Start	7.22	Rating **	M	Issue No.	32
LM End	7.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.406454 °	38.406454 °
				-121.517732 °	-121.517732 °
DWR ID	DWR_RD0150_02_s_2012_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	7.32	Rating **	M	Issue No.	44
LM End	7.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.407842 °	38.408168 °
				-121.518425 °	-121.518663 °
DWR ID	DWR_RD0150_02_s_2019_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	136
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332690 °	38.332690 °
				-121.583522 °	-121.583522 °
DWR ID	DWR_RD0150_03_s _ 2020_136				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	A/W	Issue No.	20
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			38.332735 °	38.413893 °
				-121.583625 °	-121.522896 °
DWR ID	DWR_RD0150_03_s _ 2019_20				
Comment Code					
Inspector Comment					
2017 Site ID: ELK 0.2 L					
Status: Eroding					
2017 Field Notes: Fresh erosion; site continues to worsen.					
Site History: 1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	0.05	Rating **	M	Issue No.	97
LM End	0.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.333425 °	38.334005 °	
			-121.583530 °	-121.583493 °	
DWR ID	DWR_RD0150_03_s _ 2020_97				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	C	Issue No.	936
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.334233 °	38.334233 °	
			-121.583414 °	-121.583414 °	
DWR ID	DWR_RD0150_03_s _ 2012_936				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking visibility.					

No Photos

LM Start	0.17	Rating **	M	Issue No.	134
LM End	0.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.335040 °	38.336287 °	
			-121.583077 °	-121.582330 °	
DWR ID	DWR_RD0150_03_s _ 2020_134				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	0.20	Rating **	M	Issue No.	135
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.335503 °	38.336228 °	
			-121.582812 °	-121.582372 °	
DWR ID	DWR_RD0150_03_s _ 2020_135				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	M	Issue No.	133
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.343130 °	38.347413 °	
			-121.580365 °	-121.574240 °	
DWR ID	DWR_RD0150_03_s _ 2020_133				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove annual vegetation and Arundo growth.					

No Photos

LM Start	0.75	Rating **	M	Issue No.	132
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.343135 °	38.347413 °	
			-121.580365 °	-121.574240 °	
DWR ID	DWR_RD0150_03_s _ 2020_132				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	1.33	Rating **	A	Issue No.	128
LM End	1.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.347417 °	38.347503 °	
			-121.573712 °	-121.573187 °	
DWR ID	DWR_RD0150_03_s_2020_128				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.33	Rating **	M	Issue No.	19
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.347405 °	38.347405 °	
			-121.573657 °	-121.573657 °	
DWR ID	DWR_RD0150_03_f_2019_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	127
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.347617 °	38.347617 °	
			-121.572883 °	-121.572883 °	
DWR ID	DWR_RD0150_03_s_2020_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	1.40	Rating **	M	Issue No.	120
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.347812 °	38.353773 °
				-121.572548 °	-121.565853 °
DWR ID	DWR_RD0150_03_s _ 2020_120				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.71	Rating **	M	Issue No.	124
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.352200 °	38.354767 °
				-121.573148 °	-121.569722 °
DWR ID	DWR_RD0150_03_s _ 2020_124				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.83	Rating **	M	Issue No.	85	
LM End	1.83	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.353761 °		38.353761 °
				-121.572390 °		-121.572390 °
DWR ID	DWR_RD0150_03_s _ 2016_85					
Comment Code						
TR : Tree or limb						
Inspector Comment						
The LMA cut part of the fallen tree, but a part remains on the levee slope easement.						

Photo 1 of 1 : SP_2020_RD0150_17_85_20200302_00055.jpg



View of broken tree trunk on the waterside slope of the levee. Spring 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.29	Rating **	M	Issue No.	37
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.354103 °	38.354211 °
				-121.564850 °	-121.564631 °
DWR ID	LMA-120				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
This was a 2017 Storm Damage site. Instability, cracking, and erosion were observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 75 feet long. Site ID No:294 Site Designation:LMA-120					

LM Start	2.29	Rating **	M	Issue No.	37 (cont)
LM End	2.30	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2020_RD0150_17_37_20200302_00013.jpg



View of slope damage near fallen tree. Fall 2018

Photo 2 of 2 : LEVAL_SP_2020_294_2272.jpg



LM Start	2.37	Rating **	M	Issue No.	119
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.354847 °	38.354847 °
				-121.563672 °	-121.563672 °
DWR ID	DWR_RD0150_03_s_2020_119				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.62	Rating **	M	Issue No.	118
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.357842 °	38.358210 °
				-121.561380 °	-121.561328 °
DWR ID	DWR_RD0150_03_s_2020_118				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.72	Rating **	M	Issue No.	42
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.359256 °	38.359461 °
				-121.561239 °	-121.561275 °
DWR ID	LMA-123				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This was a 2017 Storm Damage site. On 11 and 15 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 75 feet long and 5 to 10 feet down from the levee crest. Site ID No:297 Site Designation:LMA-123					

Photo 1 of 3 : LEVAL_SP_2020_297_1928.jpg



LM Start	2.72	Rating **	M	Issue No.	42 (cont)
LM End	2.73	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2020_297_1931.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.72	Rating **	M	Issue No.	42 (cont)
LM End	2.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.359256 °	38.359461 °
				-121.561239 °	-121.561275 °
DWR ID	LMA-123				

$\frac{7}{18}/17$

ZMA-23

No. of arching
last known depth
depth

Observed
stop
for 180°

16'

28'

10°

26'
no water

No topographic features within ZMA indicating a subsurface water connection with the lake.

LM Start	2.74	Rating **	M	Issue No.	45
LM End	2.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.359594 °	38.359808 °
				-121.561308 °	-121.561369 °
DWR ID	LMA-124				

S1 : Repair slope instability.

This was a 2017 Storm Damage site.
On 11 and 15 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 80 feet long and 5 to 10 feet down from the levee crest.
Site ID No:298
Site Designation:LMA-124
No cracking observed, but there is runoff erosion along the entire WS slope here. Crown is a paved road. Area of concern because erosion was caused by runoff and was less severe than other sites along Elk Slough.

A photograph showing a gravel shoulder on a road. On the left, a large tree stands on the shoulder. To the right of the gravel is a dense thicket of green bushes and trees, with a body of water visible in the background. The sky is clear and blue.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.75	Rating **	A/W	Issue No.	62
LM End	2.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.359693 °	38.359693 °
				-121.561354 °	-121.561354 °
DWR ID	DWR_RD0150_03_s_2017_62				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion is caused from run-off.					

Photo 1 of 1 : SP_2020_RD0150_17_62_20200302_00039.jpg



View of erosion on the waterside slope of the levee looking downstream. Spring 2017

LM Start	2.78	Rating **	M	Issue No.	25
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.360035 °	38.360035 °
				-121.561482 °	-121.561482 °
DWR ID	DWR_RD0150_03_f_2019_25				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree from the waterside slope.					

Photo 1 of 1 : SP_2020_RD0150_17_25_20200302_00006.jpg



View of a downed tree on the WS slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.80	Rating **	M	Issue No.	53
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.360367 °	38.360367 °
				-121.561592 °	-121.561592 °
DWR ID	LMA-125				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
On 11 January 2017, waterside instability and cracking were observed on the east (left) bank of Elk Slough. The site is approximately 70 feet long and 12 feet down from the levee crest. Site ID No:299 Site Designation:LMA-125 Crown is a paved road. Cracking on upper 1/3 of slope. Lower 1/2 of slope is near vertical. Area of concern because erosion is less severe than other sites along Elk Slough.					

Photo 1 of 3 : LEVAL_SP_2020_299_2105.jpg



Photo 2 of 3 : LEVAL_SP_2020_299_2106.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

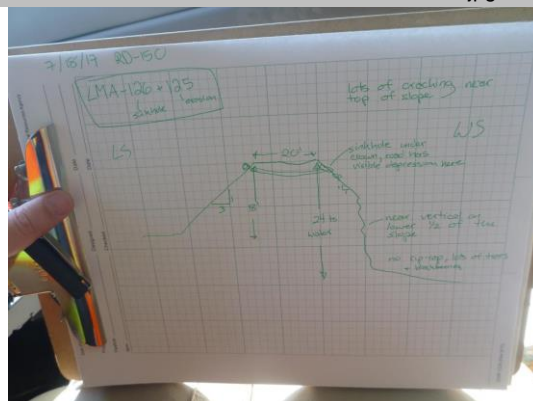
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.80	Rating **	M	Issue No.	53 (cont)
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.360367 °	38.360367 °
				-121.561592 °	-121.561592 °
DWR ID	LMA-125				

Photo 3 of 3 : LEVAL_SP_2020_299_2108.jpg



LM Start	2.87	Rating **	M	Issue No.	117
LM End	2.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.361257 °	38.361558 °
				-121.562082 °	-121.562205 °
DWR ID	DWR_RD0150_03_s_2020_117				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.91	Rating **	M	Issue No.	112
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361840 °	38.361840 °
				-121.562297 °	-121.562297 °
DWR ID	DWR_RD0150_03_s_2020_112				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree on the waterside shoulder and slope.					

Photo 1 of 1 : SP_2020_RD0150_17_112_20200313_00149.jpg



View of a fallen tree leaning on the waterside slope. Spring 2020

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	2.95	Rating **	M	Issue No.	109
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.362420 °	38.362420 °
				-121.562293 °	-121.562293 °
DWR ID	DWR_RD0150_03_s_2020_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.01	Rating **	M	Issue No.	107
LM End	3.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.363280 °	38.363407 °
				-121.561905 °	-121.561812 °
DWR ID	DWR_RD0150_03_s_2020_107				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.31	Rating **	M	Issue No.	40
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363008 °	38.363008 °
				-121.556751 °	-121.556751 °
DWR ID	DWR_RD0150_03_s_2013_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD0150_17_40_20200302_00018.jpg



View of erosion on the waterside of the levee during spring 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	3.31	Rating **	M	Issue No.	40 (cont)
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		38.363008 °	38.363008 °	
			-121.556751 °	-121.556751 °	
DWR ID	DWR_RD0150_03_s_2013_40				

Photo 2 of 2 : SP_2020_RD0150_17_40_20200302_00019.jpg



View of erosion on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	3.36	Rating **	M	Issue No.	102
LM End	3.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363254 °	38.363254 °
				-121.555889 °	-121.555889 °
DWR ID	DWR_RD0150_03_s_2018_102				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	3.37	Rating **	C	Issue No.	76
LM End	3.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			38.363380 °	38.364325 °
				-121.555715 °	-121.555330 °
DWR ID	DWR_RD0150_03_s_2017_76				
Comment Code					
Inspector Comment					
Riprap remains intact.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	3.39	Rating **	U	Issue No.	115
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.363540 °	38.363540 °
				-121.555554 °	-121.555554 °
DWR ID	DWR_RD0150_03_f_2013_115				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion (ditch) found on the landside toe of the levee.					

LM Start	3.39	Rating **	U	Issue No.	115 (cont)
LM End	3.39	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2020_RD0150_17_115_20200302_00079.jpg



View of the ditch on the landside toe of the levee. Fall 2016

Photo 2 of 2 : SP_2020_RD0150_17_115_20200302_00081.jpg



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

A photograph showing a paved road on the right side, bordered by a dense line of tall, dry grass and green trees on the left. The road curves into the distance under a clear blue sky. The water is visible behind the trees on the far left.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	3.58	Rating **	M	Issue No.	103
LM End	3.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.366217 °	38.366350 °
				-121.555737 °	-121.555855 °
DWR ID	DWR_RD0150_03_s_2020_103				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.73	Rating **	M	Issue No.	96
LM End	4.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.367430 °	38.370927 °
				-121.553920 °	-121.552480 °
DWR ID	DWR_RD0150_03_s_2020_96				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.79	Rating **	M	Issue No.	116
LM End	3.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.367535 °	38.367535 °
				-121.552815 °	-121.552815 °
DWR ID	DWR_RD0150_03_f_2013_116				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_116_20200302_00082.jpg



View of slope instability on the waterside of the levee. Fall 2016

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	4.02	Rating **	M	Issue No.	93
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.370125 °	38.370125 °
				-121.552030 °	-121.552030 °
DWR ID	DWR_RD0150_03_s_2016_93				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
There is erosion on the waterside toe of the levee.					

Photo 1 of 1 : SP_2020_RD0150_17_93_20200302_00062.jpg



Erosion was found on the waterside toe of the levee. Spring 2016

LM Start	4.34	Rating **	M	Issue No.	80
LM End	4.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374077 °	38.374217 °
				-121.550027 °	-121.549082 °
DWR ID	DWR_RD0150_03_s_2020_80				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.38	Rating **	M	Issue No.	87
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374240 °	38.374240 °
				-121.549503 °	-121.549503 °
DWR ID	DWR_RD0150_03_s_2020_87				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	4.39	Rating **	M	Issue No.	98
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374278 °	38.374278 °
				-121.549167 °	-121.548511 °
DWR ID	LMA-130				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

This was a 2017 Storm Damage Site.
Between 11 and 19 January 2017, waterside instability and erosion were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long, 7 feet below the levee crest, and includes a fallen tree and exposed root ball in the levee slope.
Site ID No:304
Site Designation:LMA-130
Crown is a paved road. Near vertical on lower 1/2 of slope including a fallen tree with exposed root ball. Serious because sloughing cuts into already over-steepened prism significantly and visible longitudinal cracking near crown.

LM Start	4.39	Rating **	M	Issue No.	98 (cont)
LM End	4.43	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : LEVAL_SP_2020_304_2075.jpg



Photo 2 of 2 : LEVAL_SP_2020_304_2078.jpg



*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	4.47	Rating **	M	Issue No.	108
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.374314 °	38.374344 °
				-121.547753 °	-121.547447 °
DWR ID	LMA-131				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

This was a 2017 Storm Damage Site.
Between 11 January 2017 and 7 February 2017, instability, cracking, and erosion of the waterside levee slope were observed on the east (left) bank of Elk Slough. The site is approximately 88 feet long.
Site ID No:305
Site Designation:LMA-131
Crown is a paved road. Near vertical sloughing on the lower 2/3 of the prism. House and ramp/driveway on the LS. Serious because sloughing cuts into already over-steepened prism significantly.

LM Start	4.47	Rating **	M	Issue No.	108 (cont)
LM End	4.49	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : LEVAL_SP_2020_305_2066.jpg



Photo 2 of 2 : LEVAL_SP_2020_305_2067.jpg



*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Reclamation District No. 0150 Merrit Island

No Photos

View of an erosion on the waterside toe of the levee. Spring 2017

View of erosion on the waterside of the levee looking downstream. Fall 2014

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.06	Rating **	A/W	Issue No.	959	
LM End	5.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.379697 °	38.379697 °	
				-121.540070 °	-121.540070 °	
DWR ID	22446					
Comment Code						
Inspector Comment						
DS_ID:22446 FS_ID:49386 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/2014 Recordation from permit files 13736 match photos and approximate location of UCIP confirmed crossing.8/2013- a smaller pump on WS steel deck and was running.- seems 30-inch steel pipe goes through the levee.- GI electric conduit on WS and power pole on LS. FIELD_STRUCT_DESC: 24-inch steel drainage discharge pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Pump and gate valve at the landside (LS) toe. (Plans to install a 24-inch discharge pipeline through the levee authorized under Permit No. 13736, 1983 - Reclamation District No. 150 [RD0150]). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 112, March 1957, (HLM 5.15), 30-inch pipe referenced, invert elevation 14.5 feet below the crown]. FS Date: 8/23/2013						

Photo 1 of 3 : UCIP_SP_2020_49386_63902.jpg



WS view: pipe, steel deck, pressure tank, electric control box on stream bank.

LM Start	5.06	Rating **	A/W	Issue No.	959 (cont)
LM End	5.06	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_49386_63901.jpg



WS view: a smaller pump on steel deck. It was working during the survey.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.06	Rating **	A/W	Issue No.	959 (cont)
LM End	5.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.379697 °	38.379697 °
				-121.540070 °	-121.540070 °
DWR ID	22446				

Photo 3 of 3 : UCIP_SP_2020_49386_63900.jpg



WS view: siphon breaker on pipe in steel deck on stream bank.

LM Start	5.15	Rating **	A/W	Issue No.	111
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.380906 °	38.380928 °
				-121.540344 °	-121.540364 °
DWR ID	LMA-135				

Comment Code

E1 : Note and monitor erosion site.

Inspector Comment

On 19 January 2017, two large trees were observed to have fallen into the water exposing the root ball on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long. Site ID No:309

Site Designation:LMA-135

2 oak trees fell over at the WS toe and took root balls out of the lower slope about 5 ft deep just above the water line. Area of concern because damage is only on the lower slope near the water line.

Photo 1 of 2 : LEVAL_SP_2020_309_2036.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.15	Rating **	A/W	Issue No.	111 (cont)
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.380906 °	38.380928 °
				-121.540344 °	-121.540364 °
DWR ID	LMA-135				

Photo 2 of 2 : LEVAL_SP_2020_309_2038.jpg



LM Start	5.19	Rating **	M	Issue No.	125
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381352 °	38.381352 °
				-121.540797 °	-121.540797 °
DWR ID	DWR_RD0150_03_s_2018_125				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree with exposed rootball.					

Photo 1 of 1 : SP_2020_RD0150_17_125_20200302_00093.jpg



View of fallen tree with exposed rootball. Fall 2019

LM Start	5.28	Rating **	M	Issue No.	73
LM End	5.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381768 °	38.381847 °
				-121.542415 °	-121.543088 °
DWR ID	DWR_RD0150_03_s_2020_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.40	Rating **	A/W	Issue No.	114
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.382169 °	38.382206 °
				-121.544597 °	-121.544731 °
DWR ID	LMA-136				
Comment Code					
Inspector Comment					
Planned For Repair.					
Levee Evaluation Comments					
Description:Cracking and erosion were observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 40 feet long. See attached pages for photos.					
Site ID No:310					
Site Designation:LMA-136					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Large oak tree fell over here and took a root ball with it. At least 15 ft wide by 5ft deep soil missing, 5 ft from crown. Longitudinal cracks for 40 ft along crown hinge. Serious because prism is impacted and cracking is visible beyond the damaged area.					

Photo 1 of 3 : LEVAL_SP_2020_310_2188.jpg



LM Start	5.40	Rating **	A/W	Issue No.	114 (cont)
LM End	5.41	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL_SP_2020_310_2190.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

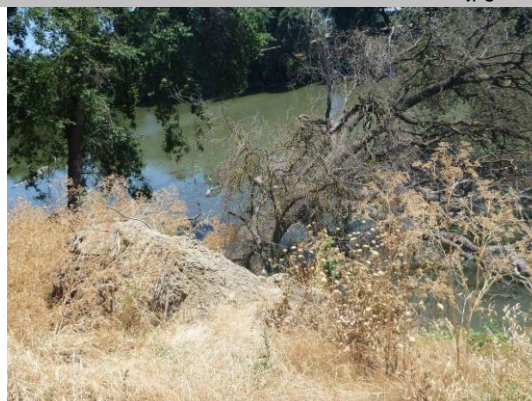
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.40	Rating **	A/W	Issue No.	114 (cont)
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.382169 °	38.382206 °
				-121.544597 °	-121.544731 °
DWR ID	LMA-136				

Photo 3 of 3 : LEVAL_SP_2020_310_2191.jpg



LM Start	5.49	Rating **	M	Issue No.	71
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.383033 °	38.383033 °
				-121.545688 °	-121.545688 °
DWR ID	DWR_RD0150_03_s_2020_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	5.49	Rating **	N	Issue No.	74
LM End	5.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383051 °	38.383051 °
				-121.545735 °	-121.545735 °
DWR ID	DWR_RD0150_03_f_2016_74				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Tree stump and downed tree on the waterside slope of the levee need to be removed.					

Photo 1 of 1 : SP_2020_RD0150_17_74_20200302_00047.jpg



View of stump and downed tree on the waterside slope of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.64	Rating **	M	Issue No.	150 (cont)
LM End	5.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383825 °	38.383825 °
				-121.543683 °	-121.543683 °
DWR ID	DWR_RD0150_03_s _ 2019_150				

Photo 2 of 2 : SP_2020_RD0150_17_150_20200302_00097.jpg



View of tree debris on waterside slope. Spring 2019

LM Start	5.75	Rating **	M	Issue No.	52
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384135 °	38.384135 °
				-121.541817 °	-121.541817 °
DWR ID	DWR_RD0150_03_s _ 2020_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	5.78	Rating **	M	Issue No.	51
LM End	5.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384312 °	38.384312 °
				-121.541347 °	-121.541347 °
DWR ID	DWR_RD0150_03_s _ 2020_51				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	5.78	Rating **	M	Issue No.	28
LM End	5.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384333 °	38.384333 °
				-121.541310 °	-121.541310 °
DWR ID	DWR_RD0150_03_s_2012_28				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_28_20200302_00008.jpg



Wild growth was found on the waterside slope of the levee looking upstream.

LM Start	5.82	Rating **	M	Issue No.	57
LM End	5.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384648 °	38.384648 °
				-121.540669 °	-121.540669 °
DWR ID	DWR_RD0150_03_s_2012_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_57_20200302_00033.jpg



View of downed tree on landward slope should be removed.

LM Start	5.88	Rating **	M	Issue No.	147
LM End	5.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.385300 °	38.385300 °
				-121.540007 °	-121.540007 °
DWR ID	DWR_RD0150_03_s_2019_147				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree prunings from the slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	6.12	Rating **	M	Issue No.	143
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.388372 °	38.388700 °
				-121.541640 °	-121.541813 °
DWR ID	DWR_RD0150_03_s_2019_143				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	6.64	Rating **	M	Issue No.	137
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.394332 °	38.394332 °
				-121.538658 °	-121.538658 °
DWR ID	DWR_RD0150_03_s_2019_137				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Remove the fallen tree, and repair the slope damaged by root ball.					

Photo 1 of 1 : SP_2020_RD0150_17_137_20200302_00095.jpg



View of fallen tree on waterside slope. Spring 2019

LM Start	6.68	Rating **	M	Issue No.	49
LM End	6.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394878 °	38.395222 °
				-121.538648 °	-121.538537 °
DWR ID	DWR_RD0150_03_s_2020_49				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	6.90	Rating **	M	Issue No.	61
LM End	6.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.396655 °	38.396655 °
				-121.535485 °	-121.535485 °
DWR ID	DWR_RD0150_03_s_2020_61				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

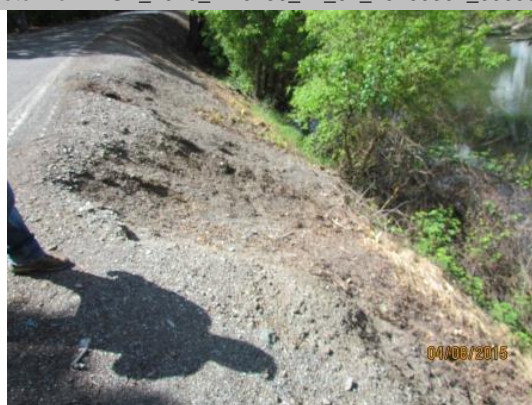
LM Start	6.90	Rating **	M	Issue No.	61 (cont)
LM End	6.90	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2020_RD0150_17_61_20200302_00037.jpg



View of erosion on waterside slope. Spring 2019

Photo 2 of 2 : SP_2020_RD0150_17_61_20200302_00038.jpg



View of erosion on the waterside of the levee during spring 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0150 Merrit Island

A photograph showing a steep, eroded bank adjacent to a road. The bank is covered in dense green vegetation, with many exposed tree roots. A large shadow is cast across the foreground road surface, likely from a tree or structure off-camera. The road surface appears to be a mix of dirt and gravel.Page 31 of 43

**Flood Control Project Maintenance
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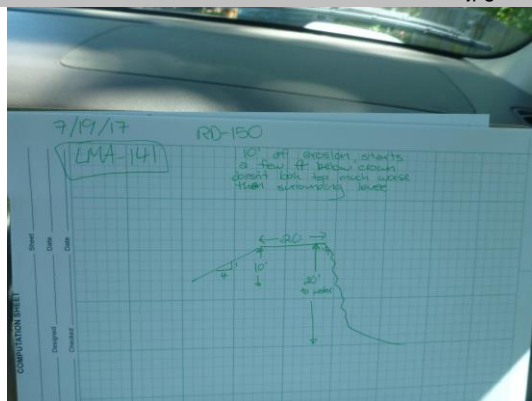
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	6.95	Rating **	A/W	Issue No.	121 (cont)
LM End	6.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.397197 °	38.397225 °
				-121.535089 °	-121.535092 °
DWR ID	LMA-141				

Photo 3 of 3 : LEVAL_SP_2020_314_2324.jpg



LM Start	7.38	Rating **	M	Issue No.	110
LM End	7.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.402758 °	38.402935 °
				-121.538157 °	-121.538367 °
DWR ID	DWR_RD0150_03_s_2019_110				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.74	Rating **	M	Issue No.	396
LM End	7.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.406098 °	38.406098 °
				-121.543028 °	-121.543028 °
DWR ID	DWR_RD0150_03_s_2015_396				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The depression in the slope is due to the fallen tree.					

Photo 1 of 1 : SP_2020_RD0150_17_396_20200302_00098.jpg



Slope instability was found on the waterside toe of the levee looking upstream. Spring 2015

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	7.75	Rating **	M	Issue No.	129
LM End	7.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.406298 °	38.406298 °
				-121.542939 °	-121.542939 °
DWR ID	DWR_RD0150_03_f_2017_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree from the waterside shoulder of the levee, and fill any large void.					

Photo 1 of 1 : SP_2020_RD0150_17_129_20200302_00094.jpg



View of a tree stump on the waterside shoulder of the levee. Fall 2017

LM Start	7.79	Rating **	M	Issue No.	75
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.406805 °	38.406805 °
				-121.542703 °	-121.542703 °
DWR ID	DWR_RD0150_03_f _ 2018_75				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove a fallen tree from the levee slope.					

Photo 1 of 1 : SP_2020_RD0150_17_75_20200302_00048.jpg



View of downed tree on levee slope.

LM Start	7.89	Rating **	M	Issue No.	43
LM End	7.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.408033 °	38.408033 °
				-121.541838 °	-121.541838 °
DWR ID	DWR_RD0150_03_s_2020_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	7.96	Rating **	M	Issue No.	41
LM End	7.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408788 °	38.408788 °
				-121.540920 °	-121.540920 °
DWR ID	DWR_RD0150_03_s_2020_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	7.99	Rating **	M	Issue No.	92
LM End	8.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.409010 °	38.409130 °
				-121.540513 °	-121.539971 °
DWR ID	DWR_RD0150_03_s_2014_92				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD0150_17_92_20200313_00146.jpg



View of slope instability on the waterside slope. Spring 2020

LM Start	7.99	Rating **	M	Issue No.	92 (cont)
LM End	8.02	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_RD0150_17_92_20200302_00060.jpg



View of slope instability on the waterside of the levee looking upstream during spring 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

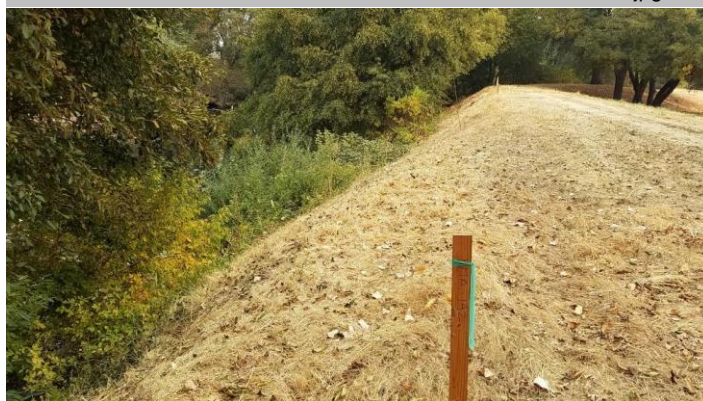
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.00	Rating **	M	Issue No.	38
LM End	8.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409017 °	38.408748 °
				-121.540257 °	-121.537067 °
DWR ID	DWR_RD0150_03_s_2020_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.05	Rating **	A/W	Issue No.	122
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.409228 °	38.409233 °
				-121.539389 °	-121.539356 °
DWR ID	LMA-142				
Comment Code					
Inspector Comment					
Planned For Repair.					
Levee Evaluation Comments					
Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long and progresses up to the levee crown. See attached pages for photos.					
Site ID No:315					
Site Designation:LMA-142					
Repair Type: Erosion					
Rating: Serious					
Field Date:7/17/2017					
Notes: The erosion extends along most of the slope. Nearby WS banks are all very steep (1:1 or less). Serious because the erosion extend along the entire slope, but not into the crown. Fall 2018 DWR					
Inspector: Erosion not visible during this inspection but is marked.					

Photo 1 of 4 : SP_2020_RD0150_17_122_20200302_00086.jpg



View of waterside slope. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0150 Merrit Island

View of erosion on the waterside of the levee. Fall 2015

No Photos

View of erosion on the waterside of the levee. Spring 2015

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.32	Rating **	M	Issue No.	35
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.407935 °	38.407918 °
				-121.534755 °	-121.534528 °
DWR ID	DWR_RD0150_03_s_2020_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.33	Rating **	M	Issue No.	67
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.407958 °	38.407958 °
				-121.534583 °	-121.534583 °
DWR ID	DWR_RD0150_03_s_2020_67				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2020_RD0150_17_67_20200302_00044.jpg



View of the erosion on the waterside shoulder looking upstream. Spring 2014

LM Start	8.33	Rating **	M	Issue No.	67 (cont)
LM End	8.33	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2020_RD0150_17_67_20200302_00045.jpg



Erosion was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.33	Rating **	C	Issue No.	70
LM End	8.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.407927 °	38.407927 °
				-121.534523 °	-121.534523 °
DWR ID	DWR_RD0150_03_s_2019_70				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.35	Rating **	A/W	Issue No.	123
LM End	8.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.407983 °	38.407992 °
				-121.534322 °	-121.534289 °
DWR ID	LMA-143				
Comment Code					
Inspector Comment					
Planned For Repair.					
Levee Evaluation Comments					
Description: Erosion was observed on the waterside levee slope on the east (left) bank of Elk Slough. The site is approximately 10 feet long.					
See attached pages for photos.					
Site ID No:316					
Site Designation:LMA-143					
Repair Type: Erosion					
Rating: Serious					
Field Date:7/17/2017					
Notes: 3 large trees in/adjacent to site including a fallen tree in the middle of the erosion. Erosion on almost the whole slope, but doesn't cut into the crown. Serious because erosion cuts into levee significantly here.					

Photo 1 of 3 : LEVAL_SP_2020_316_2180.jpg



* **Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** **Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ **Issue Type**
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

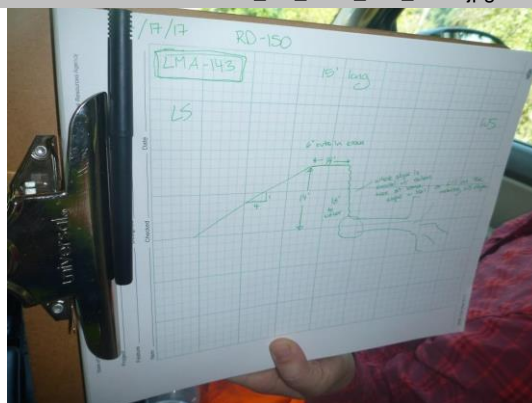
LM Start	8.35	Rating **	A/W	Issue No.	123 (cont)
LM End	8.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.407983 °	38.407992 °
				-121.534322 °	-121.534289 °
DWR ID	LMA-143				

Photo 2 of 3 : LEVAL_SP_2020_316_2181.jpg



LM Start	8.35	Rating **	A/W	Issue No.	123 (cont)
LM End	8.35	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : LEVAL_SP_2020_316_2182.jpg



LM Start	8.37	Rating **	M	Issue No.	27
LM End	8.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.408218 °	38.411573 °
				-121.533900 °	-121.529210 °
DWR ID	DWR_RD0150_03_s_2020_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.46	Rating **	N	Issue No.	90
LM End	8.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409220 °	38.409220 °
				-121.532801 °	-121.532801 °
DWR ID	DWR_RD0150_03_s_2012_90				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_90_20200302_00056.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	8.50	Rating **	N	Issue No.	55
LM End	8.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409559 °	38.409559 °
				-121.532356 °	-121.532356 °
DWR ID	DWR_RD0150_03_s_2012_55				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_55_20200302_00031.jpg

A tree stump was found on the waterside of the levee looking upstream.
Fall 2011

LM Start	8.67	Rating **	M	Issue No.	33
LM End	8.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.411147 °	38.411573 °
				-121.529932 °	-121.529210 °
DWR ID	DWR_RD0150_03_s_2020_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.76	Rating **	C	Issue No.	47
LM End	8.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.412105 °	38.412105 °
				-121.528977 °	-121.528977 °
DWR ID	DWR_RD0150_03_s _ 2019_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.80	Rating **	M	Issue No.	22
LM End	8.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.412615 °	38.412808 °
				-121.528968 °	-121.528990 °
DWR ID	DWR_RD0150_03_s _ 2020_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.88	Rating **	M	Issue No.	18
LM End	8.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413875 °	38.413967 °
				-121.529068 °	-121.529055 °
DWR ID	DWR_RD0150_03_s _ 2020_18				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	03/11/2020 03/11/2020	Luz Dial

LM Start	8.95	Rating **	M	Issue No.	17
LM End	8.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.414893 °	38.415225 °
				-121.529052 °	-121.528680 °
DWR ID	DWR_RD0150_03_s_2020_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.21	Rating **	N	Issue No.	59
LM End	9.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413268 °	38.413268 °
				-121.525929 °	-121.525929 °
DWR ID	DWR_RD0150_03_s_2012_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD0150_17_59_20200302_00035.jpg



A tree stump was found on the waterside of the levee looking upstream.
Fall 2011

LM Start	9.34	Rating **	M	Issue No.	23
LM End	9.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413130 °	38.413130 °
				-121.523742 °	-121.523742 °
DWR ID	DWR_RD0150_03_f_2019_23				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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